



July 2, 2011 – Volume 48, Number 29 – Edition 1540 – ISSN 899-9733

FROM THE EDITOR-IN-CHIEF

I hope everyone enjoyed themselves at this year's IRCA Convention. This year, I was operating WØSRC on 6 Meters at the St. Louis and Suburban Radio Club's Field Day site in Olivette, MO. Congratulations to all the club officers who have been re-elected, and to my illustrious predecessor, Phil Bytheway, for winning the TVA this year. I was surprised to receive the RHA this year, thanks to all who voted! Results of the election will appear in this issue, plus the latest Technical Column.

NRC/DXAS/WTFDA Convention, Omaha, NE

IT'S OMAHA NEBRASKA! Once again the "BIG-O-TEAM" rises again to host a Convention! They will host the National Radio Club/WTFDA Convention! The convention will be held at the Comfort Inn and Suites at 7007 Grover Street, Omaha Nebraska 68106. The Inn is located north east of I-80 at the 72nd Street exit number 449.

We have Ballroom "C", a hospitality room on the 3rd floor, an airport and bus shuttle, deluxe continental breakfast, guest laundry, 24 hour fitness room and business center and a large indoor pool.

Make your reservations directly with the hotel at Area Code 402 934-4900; this is the ONLY number to receive our convention rate! You MUST mention the NRC/WTFDA Convention Rate of \$75 plus tax = \$88.62 per night which is for 1 to 4 persons per room. The Convention registration fee is only US\$45 per person; children (age 11 and under) US\$13. Please make checks payable to: National Radio Club and mail them to Ernest J. Wesolowski, 13312 Westwood Lane, Omaha, NE 68144-3543 by October 1st. You may also register on line, using Pay Pal Only, at the National Radio Club website <http://www.nrcdxas.org>.

Activities will begin at 3PM on Thursday October 13 and will included tours which will be announced, as well as the ever popular Auction. Please send auction items to Ernie. The Saturday night banquet is included in your registration fee and will feature a popular DX Audio Service editor as the guest speaker. Spouses and children are welcome and pets are allowed at the hotel, please inquire with the hotel for restrictions and any additional charges.

Come to OMAHA and see where the College Baseball World Series is held, the home of Warren Buffett, the TV/FM Antenna Farm and Capstar's KFAB-1110. If you have any questions you may contact Ernie at his postal address above or via email at neerniew@yahoo.com

18th Annual Madison-Milwaukee DX Get-Together

The 18th annual Madison-Milwaukee Get-Together will take place on Saturday, August 20, 2011, beginning at 1 p.m. This year's event is in the Milwaukee area, hosted by Tim Noonan and his family in south suburban Oak Creek. It is an all-band event, and anyone interested in the radio hobby is welcome. For more information, contact Tim at DXing2@aol.com or (414) 762-2702.



IRCA ELECTION RESULTS

Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6
E-mail: nhp@ieee.org

Total Votes Cast: 31, Postal Votes: 8, Electronic Votes: 23
(for exact totals, please contact the ECC)

President Voting Result:
-Lee Freshwater (FL) is re-elected .

Secretary/Treasurer Voting Result:
-Lynn Hollerman (LA) is re-elected.

Board of Directors Voting Results:
(all the incumbents were re-elected)

Phil Bytheway (WA)
Craig Healy (RI)
John C. Johnson (MT)
Patrick Martin (OR)

Bruce Portzer (WA)
Mike Sanburn (CA)
Robert Wien (CO)

The Ted Vasilopoulos Award was won by Phil Bytheway for his many years of service to IRCA as Editor-in-Chief, editing the Geomagnetic Indices column, serving on the Board of Directors, and running the IRCA bookstore.

The Ric Heald Award was won by Eric Bueneman (NØUIH) for stepping up as the Editor-in-Chief when that position became open, and for frequent contributions to DX Roundups and Forums.

ECC Comment:
Congratulations to all those elected, and also to Kraig Krist (KG4LAC) who gave the incumbents a serious run in his first candidacy for a seat on the Board of Directors.

BROADCASTING INFORMATION

Lee J Freshwater – 414 SE 3rd St – Ocala FL 34471
Email: EDXR-at-AMLOGBOOK-dot-COM

CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
750	KXL	Portland, OR	KXTG
920	WVOH	Hazlehurst, GA	WHJD
970	WVOV	Danville, VA	WMPW
1140	KQAB	Lake Isabella, CA	KVLI

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
610	WXVA	Winchester, VA	????	Reported Silent
780	WIIN	Ridgeland, MS	Silent	Country // WUSJ 96.3
850	WTAR	Norfolk, VA	Talk	Comedy
900	WATV	Birmingham, AL	Silent	R & B Oldies
910	WRKL	New City, NY	Polish	Spanish Religion // WJDM 1530
930	WIZR	Johnstown, NY	Country	Oldies
970	WDAY	Fargo, ND	News Talk	Reported Silent – Storm Damage
1070	WCSZ	Sans Souci, SC	Silent	Spanish AC
1080	KUDO	Anchorage, AK	Silent	Sports - Fox
1090	WILD	Boston, MA	Talk	China Radio International
1150	WXKO	Fort Valley, GA	R&B	Black Gospel
1190	KMFX	Wabasha, MN	Silent	Classic Country
1230	KVOC	Casper, WY	Sports	Reported Silent
1330	WBHV	Somerset, PA	Sports	Reported Silent
1340	WTFN	Muncie, IN	Sports ESPN	Sports – FOX
1400	WPAY	Portsmouth, OH	Talk	Reported Silent
1450	WREL	Lexington, VA	Classic Country	Talk
1490	WPNT	South Bend, IN	Silent	Sports - ESPN
1530	KQSP	Shakopee, MN	Spanish Religion	R & B Oldies
1540	WYCL	Niles, OH	Classic Country	Brokered Talk
	WNWR	Philadelphia, PA	Ethnic	Reported Silent

SLOGAN CHANGES

780 WIIN Ridgeland, MS
 850 WTAR Norfolk, VA
 910 WRKL New City, NY
 1080 KUDO Anchorage, AK
 1530 KQSP Shakopee, MN

"US 96"
 "Funny 8-50"
 "Radio Cantico Nuevo"
 "AM 1080 The Ticket"
 "Magic 1530

F.C.C.ACTIONS

550 KUZZ Bakersfield, CA Minor change to 5K/5K DA-2 at 35-20-25 / 118-56-19
 600 WKYH Paintsville, KY Modify license for 5K/43 NDA at 37-47-21 / 82-47-04
 610 WXVA Winchester, VA Minor change to 380/500 DA-N new site at 39-07-26 / 78-12-44
 650 KGAB Orchard Valley, WY Modify license for 8500/500 DA-N at 41-03-11 / 104-49-57
 690 KZEY Tyler, TX License cancelled for failure to file re-newal
 800 KBRV Soda Springs, ID Minor change to 10k/150 NDA at 42-38-39 / 111-36-41
 800 KQCV Oklahoma City, OK Modify license for 2.5K/1K DA-2 at 35-24-45 / 97-40-26
 890 KTXV Mabank, TX License to cover 20K/250 DA-2 at 32-17-13 / 95-58-39
 NEW Olivehurst, CA 350/250 DA-2 at 39-03-28 / 121-34-38
 940 WLQH Chiefland, FL Minor change to 779/15 NDA New Site 29-30-54 / 82-53-05
 1140 KHTK Sacramento, CA Modify license for 50K / 50K DA-2 at 38-23-34 / 121-11-51
 WMMG Brandenburg, KY License to cover for 250 NDA DAY at 37-59-09 / 86-11-04
 1150 WJBO Baton Rouge, LA Minor change to 15K/5K DA-2 at 30-27-42 / 91-16-10
 Increases day power from 5 kw
 1190 KQQZ Fairview, Heights,IL CP for 25k/650 DA-2 change COL from DeSoto, MO 38-42-43 / 90-03-38
 WCRW Leesburg, VA License to cover for 50k / 1.3 k DA-2 at 39-02-28 / 77-26-42
 1200 WRTO Chicago, IL License to cover for 20K/4.5K DA-2 at 41-39-43 / 87-37-48
 1280 WMXB Tuscaloosa, AL Minor change top 5k/35 nda new site 33-11-02 / 87-34-14
 Drops 500 Night DA
 1340 KVGJ Jackson, CA Modify CP for 440/250 NDA at 38-21-21 / 120-44-08
 1380 WTMC Wilmington, DE CP for Auxillary site 250/10 NDA at 39-42-00 / 75-36-29
 1400 KCLA Pine Bluff, AR License cancelled
 WBFN Battle Creek, MI Modify license for 1K / 1K at 42-18-15 / 85-11-32
 1410 WDSK Cleveland, MS License cancelled
 1420 NEW Rowe, NM New CP for 2.5K/103 NDA at 35-29-51 / 105-40-20
 1440 WNYG Medford, NY Minor mod to CP for 1k/38 NDA at 40-47-45 / 72-59-32
 1450 NEW Craig, Co New CP for 250/250 NDA at 40-32-50 / 107-33-39
 WRUY Rome, NY CP for 1k/1k NDA 43-12-18 / 75-28-45
 KGFF Shawnee, OK Minor change to 1K/1K new site at 35-21-10 / 96-52-39
 WMJQ Milford, PA License to cover for 1k/1k NDA at 41-20-10 / 74-47-45
 1460 KZNT Colorado Springs, CO Modify license for 540 watts night at 38-49-34 / 104-44-29
 1490 KOTN Pine Bluff, AR License cancelled
 1520 WDCY Douglasville, GA Minor change to 50K/ DA DAY at 33-45-52 / 84-41-21
 1560 KGOW Bellaire, TX Minor change to increase tower height on one tower
 1570 KBCV Hollister, MO Minor change to 5K/3K DA-2 at 36-36-52 / 93-12-49

LISTINGS COURTESY OF THERADIOJOURNAL.COM, 100000WATTS.COM, F.C.C. DAILY DIGEST, AMLOGBOOK dot COM

INDIVIDUAL MEMBER AND CONTRIBUTOR LISTINGS:

Chattanooga's Oldest Radio Station "Goes Silent"; WDOD Sold To Baylor WDOD, Chattanooga's oldest radio station, has gone silent after 86 years on the air. The large, valuable WDOD property along the Tennessee River has been sold to Baylor School. WDOD's last day on the air was Tuesday. It most recently had a sports format. The station had moved to an Air America format in 2005 when longtime station fixture Earl Freudenberg left to join WBYN. WDOD later moved back to easy listening. Bernie Barker, station general manager, said, "The equipment at the station was very old and the parts were hard to get. The components had to be made in some cases." He said Baylor School needed the property for expansion so the deal was signed on Wednesday. Mr. Barker said the WDOD license was turned back to the FCC. He said no employees lost their job. The deed says the property is 22 acres and the sales price was \$600,000. Barbara Kennedy of Baylor said, "Baylor has no immediate plans for the WDOD property at this time, but now that the purchase has been finalized we will factor the best use for the land into our campus master plan." The former station building at the property had not been used except as a transmitter since around 1999 when Bahakel also bought WDEF AM. Bahakel moved the station for WDOD and WDEF AM to the former Chattanooga Hardware on South Broad Street. Mr. Freudenberg, who was at WDOD for four decades, recalled, "WDOD is rich in history going on the air April 13, 1925. Co-owners Norman Thomas and Earl Winger had a crystal radio company. Mr. Thomas told me they got the radio station license so folks who bought the radios would have something to listen to. "Mr. Thomas said they got mail from as far away as Australia. I have a lengthy interview with him on tape. "The station was very special to me since I spent about 40 years working there. "It's a sad day for Chattanooga radio but I realize that good memories and nostalgia don't pay the bills." Mr. Winger and Mr. Thomas sold the station to H. Clay Evans and Interstate insurance in the late 50s. The Bahakals bought it in 1963. The station maintained its original call letters for its entire life. Mr. Freudenber said Cy N. Bahakal told him one time he would never sell the station, but he died several years ago and the station passed to his family.

FROM : LUFKIN DAILY NEWS DOT COM Townsquare Media to get Panthers' football broadcasts, ending Yates' 70-plus-year run After more than seven decades on the air, Yates Media will no longer be the official Voice of the Lufkin Panthers. Lufkin school district Superintendent Roy Knight said Tuesday that he will sign a new contract with Townsquare Media on Thursday. "Our two-year contract with Yates Broadcasting came to an end," Knight said. "We have reevaluated, and we are going with a different carrier." Townsquare Media Vice President and General Manager Tami Koonce said the company put in a proposal to the district to carry the games on their stations. "We are very honored and excited to be able to show our support for Lufkin sports, and we're excited to build on what's already been a winning tradition," Koonce said. She said Gary Ivins, also known as Big Nasty, will continue to provide play-by-play for the games. He will also start a sports talk show on July 5 that will be aired on Q107 FM from 9 to 10 a.m. Monday through Friday. According to Yates Media's website, KRBA began carrying Lufkin Panther football games in 1938, the same year Daryl E. Yates signed on as the first radio station in East Texas. Yates Media continued that tradition since that time, as well as covering Lufkin basketball and baseball games. On the company's website, owner and general manager Stephen Yates said it has been his privilege to carry the games on his stations. "One of my most prideful memories was having the honor of being the voice of the Panthers, especially during their victorious journey to the 2001 5A State Football Championship," Yates wrote on the website. Ivins has been doing play-by-play on Lufkin football broadcasts for four years. He said Tuesday he is happy to continue to do so. "First and foremost I would like to thank Stephen for giving me the opportunity to be on the radio," Ivins said. "The big reason I'm moving is I really like doing the Panthers games. I would like to thank Tami and Danny (Merrell) for the opportunity to come over and still do Lufkin sports, because that's what I like to do. The show is fun, but doing the games, and being with the kid and coaches, that's the best part of my show.

FROM : RADIO INFO DOT COM Harrisburg, PA market "720 The Rock" WWII sells to a Catholic group The price is \$500,000, for a 2-kw daytimer licensed to Shiremanstown, and the seller is WP Pennsylvania (WP Media Lending and Pioneer Media Capital). The station is currently doing a mixture of Christian teaching and contemporary Christian music, but that may change when Lancaster, PA-based Holy Family Catholic Radio takes over. WP Pennsylvania acquired WWII-AM last year from Hensley Broadcasting, cleaning up a 2007 loan from WP Media Lending to Hensley for \$771,000

FROM : RADIO INFO DOT COM North of New York City, WRKL (910) flips from Polish to Spanish The **New York Board of Radio-Info.com** says that WRKL, New City, NY has dropped the longtime Polskie Radio programming to clear the Spanish Christian programming of Radio Cantico Nuevo. That's the same group that last year bought Long Island's WNYG, Babylon (1440) from Arthur Liu's Multicultural Radio Broadcasting. The change is notable partly because WRKL is owned Chicago-based Polnet Communications, which specializes in Polish language programming. WRKL's call letters derive from Rockland County, and it is licensed for 1,000 watts daytime and 800 watts at night.

FROM: LAS VEGAS REVIEW JOURNAL Armand "Papa Joe" Chevalier, a longtime Las Vegas resident who built a wide following with his local and syndicated sports talk radio show, died Friday from complications of a stroke at Nathan Adelson Hospice in Las Vegas. He was 62. Chevalier, popular for expressing views that largely represented the average sports fan, suffered a stroke in late March that resulted in paralysis to his right side. His speech and cognitive processes were not affected. "You know how people say I've fallen and I can't get up? Well, I've fallen and I can't get up," Chevalier said April 7 at Desert Springs Hospital. Although he was in good spirits then, family members said Chevalier grew despondent over his situation and the long rehabilitation ahead

FROM : ADN DOT COM AS THE DIAL TURNS ... That's not the only change on the local radio horizon. Remember the old liberal (oh, sorry, "progressive") IBEW station, **KUDO**? It's been off the air since December but is officially coming back Monday as a sports station. The call letters are the same but the new name is "Sports AM 1080 The Ticket" -- and no, Ear doesn't know who makes up these radio theme names. Anyhow, the new station will air the full FOX Sports Radio lineup, plus college football, the Dallas Cowboys and Anchorage Bucs baseball. KUDO's political format moved to KOAN a while ago. That's also a FOX station, offering Lars Larson, Alan Colmes, Shannyn Moore, etc.

FROM : THE NEWSTRIBUNE DOT COM Tacoma sports and broadcasting icon Clay Huntington dies at 89 Clay Huntington, the sports and civic icon whose contributions ranged from wooing Triple-A baseball to Tacoma in 1960 to the formation of the Tacoma Athletic Commission, died Wednesday at Allenmore Hospital. Clay Huntington, owner of KLAY Radio, was a well-known broadcaster in the South Sound. Photo was taken in the radio station in Lakewood, WA on May 21, 1999. (Bruce Kellman/The News Tribune) The Rainiers will pay tribute to Clay Huntington tonight, before the team's 7:05 game against Reno. The flag at Cheney Stadium will be flown at half staff, Huntington's initials will be etched into the infield dirt behind second base, and a video tribute will be followed by a moment of silence. In a statement released Wednesday by the Tacoma Rainiers, Alyson Jones, director of the team's media development and events, wrote: "You did not have to know Clay Huntington well to know how lucky you were to have him around. He was one of the most gracious and genuine men that the Tacoma baseball family has ever known. As one of our founders, it's a sad day for the franchise but a great time to reflect and celebrate Clay and his accomplishments." Clay Huntington, the sports and civic icon whose contributions ranged from wooing Triple-A baseball back to Tacoma in 1960 to the formation of the Tacoma Athletic Commission, died Wednesday at Allenmore Hospital. He was 89. "It's a sad day for our community," said Tacoma sports historian Marc Blau. "When you think of how many people Clay touched, it's amazing. He had a hand in politics, sports, broadcasting, civic affairs, you name it. And while there might be somebody who didn't like

him, I can't think of one." Although Huntington had been hospitalized intermittently over the past seven weeks, his death surprised his family and friends. "I'm in shock," said Huntington's son Ron, who had seen his father in the hospital on Tuesday afternoon before leaving for Canada on a business trip. "I expected him to make a full recovery, because he remained sharp as a tack. But he started hemorrhaging Tuesday night – he needed two units of blood – and the doctors were doing tests to determine the cause when he went into cardiac arrest."

FROM : RADIO INFO DOT COM WILD Boston (1090) flips to brokered programming After more than 40 years as an outlet serving the African American community in Boston, heritage AM daytimer WILD-AM has flipped to brokered programming, including a morning show called "Music Safari." According to BostonRadioWatch, there's China Radio International programming the rest of the day. It is in English. On Sunday, WILD announcer Larry Higginbottom announced it would be his last day on the air at the station, due to the fact that Radio One was selling the station. Then, Syndication One, which provides "The Warren Ballentine Show" and "Keeping It Real With Al Sharpton", announced those shows would no longer be heard in Boston as of today, June 1. Users on the Radio-Info.com boards report hearing "Music Safari" this morning.

FROM : MERCURY NEWS DOT COM Doomsday herald Harold Camping's show goes off the air at the end of the month The Christian radio station belonging to Harold Camping, who twice incorrectly predicted the world would end, plans to replace his weekday segment Open Forum with new programming after rebroadcasting the last show he recorded before suffering a stroke on June 9. Family Radio on Hegenberger Road began playing repeats of Open Forum after a stroke hospitalized the 89-year-old Camping. On Monday, staff again started airing 20 segments recorded by Camping from May 23 -- two days after he most recently predicted Judgment Day would arrive -- through June 9. "When those are completed, we will have other programming that is scheduled to run in that time slot," Program Department Secretary Judi Rathbone wrote in an email.

FROM : RADIO INFO DOT COM A copper thief is caught red-handed at a Florida radio station Police in Brevard County, Florida had some help when it came down to tracking a copper thief: They had help from Clear Channel Radio. Cocoa Beach, Florida's WMMV-AM (1350) was knocked off the air over the weekend when someone broke in and stole copper and other items from the transmitter site. What the burglar did not know was that Clear Channel had placed surveillance cameras at the transmitter site, and they caught a number of images of the thief in action, including facial shots and some with the man carrying tools used in the break-in. The tapes were handed to police, who also did not have to look far to find the copper thief. Arrested was 26-year old Brent Gene Williamson, who lived two doors away from the transmitter site, and charged him with burglary and grand larceny. All of the stolen property was recovered and returned to Clear Channel Radio.

FROM : AZSTARNET DOT COM Listeners of The Jolt - and its on-air personalities - were given a jolt themselves when the station stopped on-air programming Friday morning. The radio station, KJLL 1330 AM, is an all-talk format that has existed for 22 years. On-air personalities were told the station was temporarily off the air because of "severe technical difficulties," said Fred Ronstadt, co-host of the yearlong "Fred and Jeff Show," which airs from 5 to 6 p.m. Tuesdays. Ronstadt said an employee told him that there would be news of the station's status Monday morning. "I hope these issues are resolved quickly," said Ronstadt, a 48-year-old former city councilman. "Independent radio is important for the community." The Jolt is a broker radio station, which means that on-air hosts pay for airtime. The station airs shows on politics, community service, food and lifestyle. Based on recent changes and interviews with former employees, it's unclear whether the current status is temporary or part of a larger issue. In February, Dawn Avalon took over as vice president, replacing former general manager John C. Scott. Since then, several employees have left The Jolt, including former business manager Nicole Cox, who has filed a lawsuit against the parent company, Hudson Communications.

FROM : DAILY PRESS DOT COM WTAR-AM switches from news to comedy June 20, 2011 Station owner Bob Sinclair insists this is not a joke. As of noon, Monday, June 20, news station WTAR-AM (850) has traded headlines for punch lines. Now called Funny 850, the station is broadcasting pre-recorded comedy almost exclusively. "We've had two AM news-talk stations WNIS (790) and WTAR (850) for a long, long time," said Sinclair, head of Norfolk-based Sinclair Communications. "We thought there was too much duplication for listeners. We've been looking for a new format for WTAR for quite some time." Sinclair learned of a low-power FM station in Kansas City that had recently found great success with an all-comedy format. He's decided to give something similar a spin. Funny 850 will feature stand-up comedy from the last 10 years as well as classic bits from Bill Cosby, George Carlin, Steve Martin and the like. "We just think it's going to do great," Sinclair said. He said that comedy channels on satellite radio are very popular. The programming will come from a national network. Hosts will introduce comedy segments as a disc jockey would introduce songs. WTAR had been a news-talk station for at least 20 years, Sinclair said. No staff members were laid off in the format change, he said.

FROM : TIMES GEORGIAN DOT COM When legendary broadcaster Red Jones gets together with his old radio friends, it's like guys sitting around the pot-bellied stove at the old country store. The stories burst profusely from golden throats and roll off silver tongues for guys with silver hair. On the eve of his June 15 retirement, C.V. "Red" Jones Jr. of WKNG and his interviewer, a silver-haired old radio bud, exchanged stories from radio's heyday. Red definitely had some interesting stories. "In the '60s, when I was at WQXI,

we came up with a promotion where we dropped turkeys from an airplane to our listeners who were invited to catch one for Thanksgiving dinner." One problem, Red noted: Nobody knew turkeys couldn't fly. Each bird hit the pavement with a deadly thud. "We had a lotta dead turkeys," cackled Red. According to Red, WKRP in Cincinnati, a blockbuster TV comedy from 1978-1982, was a kind of TV spinoff of the real live WQXI, and the turkey idea translated into WKRP's most hilarious episode. But Jones is saying goodbye to all those fond memories as he is retiring from radio broadcasting after 63 years, 10 of which were spent hosting WKNG'S morning show. During area residents' morning drive, Red's musical selections ranged from Tex Ritter, The Sons of the Pioneers and Bill Monroe's bluegrass to current stars like Kenny Chesney, Brooks & Dunn, Allen Jackson, Martina McBride, Randy Travis, Shania Twain and Carrie Underwood. Red gratefully acknowledged that owner Steve Gradick of Gradick Communications, WKNG'S parent company, has given him the freedom to program his music for fiercely loyal country music fans. As fellow employees gathered Wednesday for an aloha, complete with Hawaiian shirts and a red leis, Gradick had kind words to share: "The reason radio remains viable and successful today is because of professional broadcasters such as Red Jones. Red's radio career is unparalleled. He has touched several million lives over the years with entertainment and information. It is an enduring legacy."

FROM : INFORUM DOT COM WDAY 970 AM is back to nearly full power after it lost two of its three radio towers in a major Memorial Day wind storm. General Manager Kevin Weaver said on Friday that engineers are done boosting the signal and bolstering the structure of the one remaining tower, meaning there won't be any more time off air. "It's near full power," he said. "I don't think any of our listeners will notice a difference." The news-radio station, owned by the same company as The Forum, had one tower crumpled and another snapped off at the top by the high winds that struck Fargo-Moorhead May 30. It went off air for nearly three entire days, from 9:30 p.m. on May 30 to 5 p.m. on June 2, broadcasting only via the Internet, Weaver said. Ever since, it occasionally had been forced to go silent as crews reconfigured the remaining tower to transmit a more powerful signal to make up for the felled towers, Weaver said. All of the station's signal strength, approved to be as strong as 5,000 watts, will be coming from one tower until the others are rebuilt. WDAY's towers are just north of Main Avenue in West Fargo, Weaver said. Weaver said the station got special federal approval to use its remaining tower to transmit nondirectional signals at night. Typically, its three towers only send a signal in one direction after nightfall, he said. The two crippled towers should be rebuilt by fall, the general manager said. It was a frustrating week and a half for the station but could have been worse. "If that third one would have gone down, we would have been off air the whole time," Weaver noted.

Contributors:

Dale Park, Honolulu HI (DP-HI)

06/25/11 0800 73's fresh

WESTERN DX ROUNDUP

Nancy Johnson – 265 Waterton Way – Billings MT 59102-7755

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: July 8, July 22, August 19. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (AB) **Art Blair**-730 SW 3rd St.-Fruitland, ID 83619 artblair1937@gmail.com
NRD-515, Kiwa loop
- (PM) **Patrick Martin**-P.O. Box 843-Seaside, OR 97138-0843 mwdxer@webtv.net
Drake R8, SW EWE, 1500' Eastern Beverage term.
- (BN) **Bill Nittler**-108 El Mundo Road-Belen, NM 87002 nittlers2@cnspp.com
Drake R8
- (5P) **Dale Park**-P.O. Box 10640-Honolulu, HI 96816 dxfool@aol.com
Sangean ATS-818CS, Terk AM1000 loop
(5P-HI1) DX'ing from Kawaiui Park, East Honolulu with Honda car radio
- (MS) **Mike Sanburn**-P.O. Box 1256-Bellflower, CA 90707-1256 mikesanburn@hotmail.com
Ford car radio

OF SPECIAL INTEREST

- 820 KWDP **OR**, Waldport 5/30 fair in KSWB-840 splatter and alone on 820. KWDP, ex-KORC with adult standards format, many "AM 820 KWDP" IDs. ABC news at 1700, followed by local weather at 1705, into music after the ID. The signal is decent enough, but KSWB's splatter is terrible these days. I ID'd KWDP just after they came back on a few weeks ago, but not enough for a report. I now have one with local spots, but it was rough. (PM-OR)
- 1040 KXPD **OR**, Tigard 6/9 1445 caught on the air testing with old time radio show from the 40s. Good signal at S9. Apparently trying to keep the license alive. KXOR 660 was testing with Spanish programming last week. (PM-OR)

1510 KMYN NM, Isleta made the switch sometime this week. Logged here on 5/29 1330 "Mining Country Gold," // KMIN-980 in Grants, with joint ID at 1400. The old KABR calls go to FM. (BN-NM)

570 (KQNG) HI, Lihue 5/15 noted off all day, back on the next day. Per receptionist in phone call 5/26, xmtr suffered lightning damage earlier in the month. Unable to hear usual pest KLAC, darn. (5P-HI)

680 KNBR CA, San Francisco 5/2 0500 replay of Giants BB game at Washington Nationals, annc't "You're listening to the Giants Midnight Replay on KNBR 6-80 The Sports Leader," into ESPN Radio's Mike And Mike at 0605. Fair to good, KPUA-670 QRM. (5P-HI)

690 ?CBU? BC, Vancouver tentative 5/2 0710 with BBC news program discussing the death of Osama bin Laden in Pakistan (not Packystann), faded out. KHNR off due to lightning storm as were other Salem MW stations. Poor, lightning QRN. (5P-HI)

750 KOAL UT, Price 5/28 0207 good signal coming out of news with ID and jingle, into bumper music for Coast to Coast show. Had hoped Portland might fade in. (MS-CA)

760 KFMB CA, San Diego 5/2 0358 ad for water system, ID "The More You Listen, The Better You Know..." Newstalk 7-60 KFMB San Diego," ABC-I news. KGU-760 off due to lightning storm as were sister station KHCM-880 and tower mate KZOO-1210. KKEA-1420 also off later on. Poor, lightning QRN, ripply fading. (5P-HI)

790 KSPD ID, Boise 6/9 2225 "Family Life Today" program, "Solid Talk 7-90, KSPD" at 2230. (AB-ID)

920 KLMR CO, Lamar 6/4 2357 C&W music, "KLMR Lamar, Colorado" and ABC news at 0000. New, (AB-ID)

960 KOVO UT, Provo 6/6 0001 MLB scores, ad block, "The Zone" slogan at 0003. (AB-ID)

1060 KDUS AZ, Tempe 6/5 0800 weak "The Fan" slogan then quickly covered by KBGN s/on. New. (AB-ID)

1230 KBAR ID, Burley 6/3 2230 KBAR ID and ad block. (AB-ID)

1240 KRDO CO, Colorado Springs 6/11 0200 KRDO ID. New. (AB-ID)

1400 KWNA NV, Winnemucca 6/4 0701 end unID vocal number and KWNA ID. New. (AB-ID)

1640 KDIA CA, Vallejo 6/5 0158 religious talk, KDIA ID at 0200. Poor with mucho QRN. (AB-ID)

1700 ?KVNS? TX, Brownsville tentative 5/1 0445 James Taylor's "How Sweet It Is," DJ talk (sounded like Scott Shannon), Goldfinger's "More Today Than Yesterday" before fading out. Very poor. (5P-HI1)

Thanks to our four reporters this issue! Nancy 6/17 2100

CENTRAL DX ROUNDUP

John C Johnson – 265 Waterton Way – Billings MT 59102-7755
E-mail: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@ircaonline.org

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood, MO **N0UIHEric@aol.com**
 GE Superadio III, Yaesu FRG-7, Worcester Space Magnet II.

[NJ-MT] **Nancy Johnson, Billings, MT** **NancyJohnson@Prodigy.net**
 Drake R8B and Kiwa Loop

[POB-IN] **Pat O'Brien**, Pekin, IN **obie47165@yahoo.com**
 Eton S350DL, Grundig indoor loop, Kia car radio.

[RW-CO] **Robert Wien**, Colorado Springs, CO **wienbob@aol.com**
 C Crane 2, Select-A-Tenna

DOWN THE DIAL

750 KERR MT, Polson. 6-17 fair. 23:00 out of country music with ID into net news. [NJ-MT]

930 WBCK MI, Battle Creek. 6-3 fair over WSFZ, WKY, and WTAD. 03:05 noted with country music format, "Country ninety-three" slogan. [EB-MO]

960 KGKL TX, San Angelo. 6-3 barely above the grumble. 22:35 with "9-60 KGKL" ID. [RW-CO]

1150 WGGH IL, Marion. 6-4 good. 17:47 with oldies show, "Monster Talk" and "Talk Radio 11-50" slogans. Mentioned Southern Illinois Miners baseball. Local spots and a promo for Dave Ramsey. [EB-MO]

1170 WLBH IL, Mattoon. 6-4 fair with slight ACI from WLDS-1180. 18:07 with Adult Standards, "Unforgettable 11-70 WLBH" ID. [EB-MO]

1240 KNEM MO, Nevada. 6-5 fair to poor. Poked through KOKL, WENK and several others. 03:00 noted with legal ID mentioning KNMO 97.5 into ABC News. [EB-MO]

1260 KTRC NM, Santa Fe. 6-3 barely above the grumble. 22:14 with ID into CNN News. [RW-CO]

1270 KIML WY, Gillette. 6-4 briefly on top with "News talk 12-70 KIML Gillette" legal ID. [RW-CO]

1280 KZNS UT, North Salt Lake City. 6-3 good on top. 23:20 with "12-80 The Zone" slogan and weather for area. [RW-CO]

KYRO MO, Troy. 6-4 good with moderate interference from the digital sideband of WSDZ-1260. 17:55 noted with Adult Standards format, "You're listening to Lincoln County's radio station, AM 12-80 KYRO Troy, Bowling Green, Silex" legal ID going into CNN News. [EB-MO]

WMCP TN, Columbia. 6-3 fair to poor mixing with WGBF. 20:43 with country music format, local spots, "You're listening to 12-80 WMCP Columbia, Tennessee" legal ID at 21:00. [EB-MO]

1300 KAKC OK, Tulsa. 6-5 good to poor mixing with WNQM and WOAD. 02:13 with promo, "ESPN Sports Radio 13-hundred" slogan, spot cluster. [EB-MO]

1310 WDXI TN, Jackson. 6-3 good signal, ACI from KSIV-1320. 21:01 noted with "You're listening to Saint Louis Cardinals Baseball on Dixie 13-10, WDXI Jackson" legal ID into baseball game between the Cardinals and the Chicago Cubs. [EB-MO]

1330 WTRE IN, Greensburg. 6-6 poor. 00:13 with spot, call letters, faded. [POB-IN]

1350 KCOR TX, San Antonio. 6-16 fair to poor mixing with WWWL and KRNT. 02:13 noted with Tejano music, DJ taking a request, "La Primera" ID in SS. [EB-MO]

KWMO MO, Washington. 6-4 good over WJBD. 18:19 noted with "The Mouth, AM 13-50" slogan, local spots. Had been silent due to technical issues. [EB-MO]

WWWL LA, New Orleans. 6-16 fair to poor signal mixing with KCOR and KRNT. 02:16 noted with "ESPN 13-50 WWWL" ID into sports talk. [EB-MO]

1390 KCLN IA, Clinton. 6-16 good to poor signal, mixing with WTJS. 01:30 noted with Oldies format, web site promo. [EB-MO]

KHOB NM, Hobbs. 6-3 over/under an unID station. 22:22 with local spot for a Hobbs business into ESPN. [RW-CO]

WZZB IN, Seymour. 5/26 good. 23:40 with oldies format, spots. [POB-IN]

1400 KAYS KS, Hays. 6-3 good, fairly dominant. 23:00 with nice legal ID. [RW-CO]

1410 KOOQ NE, North Platte. 6-3 good over/under another station. 22:30 with Gold vs. Silver basketball game from North Platte Community College. [RW-CO]

1440 KMAJ KS, Topeka. 6-4 briefly on top. 00:05 with ID "You're on 14-40 AM KMAJ, Topeka's news and information station." [RW-CO]

1450 KSKE CO, Buena Vista. 5-29 noted station was off the air while driving through Buena Vista. No sign of their transmitter and tower. Has this been dismantled? RCN site still shows them on the air. [RW-CO]

1480 KQAM KS, Wichita. 6-4 well on top. 00:15 with talk show, weather for Wichita. [RW-CO]

1500 WPMB IL, Vandalia. 6-4 fair with minor ACI from WQQX-1490. 18:29 with local spots, "15-hundred WPMB" ID into Adult Standards music. [EB-MO]

1510 WLRB IL, Macomb. 6-4 fair to poor over WLAC. WQQW was silent at this time. 18:37 noted with Adult Standards format, EAS alert for severe weather in Macomb area. [EB-MO]

1590 WAIK IL, Galesburg. 6-1 poor. 00:03 with White Sox game. [POB-IN]

WNTS IN, Beech Grove. 5-30 good. 16:40 with Spanish music. [POB-IN]

1600 WAOS GA, Austell. 6-2 good to poor through KATZ. 21:55 noted with Norña music, local spots, promo mentioning Atlanta Braves in Spanish. [EB-MO]

unID

1390 unID 6-3 unID station. 22:50 with a high school basketball game between Madison High and Western High Pioneers. ID sounded like KCRC, but no high schools in that area with those names. Any ideas? [RW-CO]
 {There is a Madison High in Madison, SD (KJAM 1390) and a Western High in Western, NE. Also Silver City, NM has a Western High. John}

25 YEARS AGO

July 12, 1986 issue of IRCA's "DX Monitor" ... **Tim Kridel** of Middle Island, NY mentioned he was moving to New Wells, MO ... **Robert Wien** of San Jose, CA logged KRPM-770 and KFMV-960 ... **Glen Kippel** of Merced, CA explained how he was nearly electrocuted working on an antenna ... **Ric Heald** of Sacramento, CA commented on the sixth day of over 100 degrees.

OPEN MIKE

This column was compiled before the 2011 IRCA Convention held in Colorado Springs so that Nancy and I would be able to attend. 73, John

EASTERN DX ROUNDUP

Lee J Freshwater – 414 SE 3rd St – Ocala FL 34471
E-mail: EDXR-at-AMLOGBOOK-dot-COM

Deadlines: Saturdays 8 AM!!

STARS OF THE WEEK

(KK-VA) Kraig Krist Manassas, VA.
NRD-545 rx w/134' multiband antenna NW to SE.

LOGGINGS

540 MD WGOP Pocomoke City 6/2 0355-0505 Mixing w/ WGTH, WYNN & WETC. WGOP with oldies "WGOP". (KK-VA)
 NC WETC Wendell-Zebolon 6/2 0355-0505 Mixing w/ WGOP, WGTH & WYNN. Spanish talk & singing. In mixture of Spanish and English "WETC Wendell". (KK-VA)
 SC WYNN Florence 6/2 0355-0505 Mixing w/ WGOP, WGTH & WETC. WYNN w/ religious singing. "Become a fan on Facebook... or glory 95 dot com. This is your station... Glory 98.5... 5-40 AM". (KK-VA)
 VA WGTH Richlands 6/2 0355-0505 Mixing w/ WGOP, WYNN & WETC. WGTH w/ talk. "5-40 WGTH". (KK-VA)
 620 NY WHEN Syracuse 5/26 0355-0505 Mixing w/ talk. WHEN w/ singing. Oldies "Power 6-20" ad for car dealer in Syracuse. (KK-VA)
 1230 PA WCRO Johnstown 6/8 2355-0105 Mixing w/ talk & other singing. WCRO with oldies. "Music of your life. AM 12-30 WCRO". (KK-VA)
 VA WJOI Norfolk 6/4 0355-0505 Mixing w/ other singing & ESPN. WJOI w/ oldies. "WJOI" jingle. "Great memories. WJOI". (KK-VA)
 1240 NC WCNC Elizabeth City 6/5 0355-0505 Mixing w/ WKDK, talk, other talk & ESPN. WCNC w/ C&W songs "... classic country AM 12-40... and AM 12-60 WZBO". (KK-VA)
 SC WKDK Newberry 6/5 0355-0505 Mixing w/ WCNC, talk, other talk & ESPN. WKDK with oldies. Out of the mix, "... at www.wkdk dot com...". (KK-VA)
 1250 VA WDVA Danville 6/18 2355-0105 Mixing w/ singing, Radio Disney and ESPN. WDVA with religious talk and singing. "... WDVA with a gospel format. WDVA listening area... 1.9 million... WDVA radio...". (KK-VA)
 1260 OH WNXT Portsmouth 6/17 2355-0105 Mixing w/ WWRC. WNXT w/ typical ESPN radio programming. "Your hometown voice... leader in sports... ESPN sports radio 12-60 WNXT Portsmouth". "... right here on ESPN radio 12-60 WNXT". (KK-VA)
 1270 MD WCBC Cumberland 6/14 2355-0105 Mixing w/ WUCO. WCBC w/talk. "WCBC. You can listen right here... 12-70 AM. When you... news... right now... keep in touch... America's great radio station... 12-70 AM WCBC Cumberland and on the web..." into ABC news. (KK-VA)
 OH WUCO Marysville 6/14 2355-0105 Mixing w/ WCBC. WUCO w/ oldies. "One great song after another". "Listen to Ohio's... weekday morning from 5 til 8 on true oldies WUCO". (KK-VA)
 1280 NY WADO New York City 6/16 2355-0105 Mixing w/ Fox Sports and singing. WADO with Spanish programming. At TOH in English "WADO". (KK-VA)
 1290 MI WNIL Niles 6/19 2355-0105 Mixing w/ WHIO & WFBG. WX & "News, talk 12-90 WNIL". (KK-VA)
 OH WHIO Dayton 6/19 2355-0105 Mixing w/ WNIL & WFBG. "... Dayton's... AM 12-90 WHIO... talk radio...". (KK-VA)
 PA WFBG Altoona 6/19 2355-0105 Mixing w/ WNIL & WHIO. "Father's day on the big 12-90 WFBG". Promo for "Follow the Pittsburgh Pirates all season long on WFBG...". "Coast to Coast AM" with a repeat from Halloween. (KK-VA)
 1300 CT WAVZ New Haven 6/20 2355-0105 Mixing w/ WJZ, singing & oldies. Typical ESPN radio programming. Surprised WJZ in Baltimore is not dominate. "... sports... WAVZ...". (KK-VA)
 MD WJZ Baltimore 6/20 2355-0105 Mixing w/ WAVZ, singing & oldies. Typical ESPN radio programming. WJZ is now dominate over WAVZ. "... sports leader... Baltimore's WJZ...". (KK-VA)
 1340 NJ WMID Atlantic City 6/6 0355-0505 Mixing w/ WSTV & WNCO. WMID with oldies. "AM 13-40 WMID. Number 1 in ...". (KK-VA)
 OH WNCO Ashland 6/6 0355-0505 Mixing w/ WSTV & WMID. WNCO w/ talk. "... WNCO... 877... 9900...". (KK-VA)
 OH WSTV Steubenville 6/6 0355-0505 Mixing w/ WNCO & WMID. Typical ESPN radio programming. "ESPN. Ohio. 12-90 WOMP. 13-40 WSTV Steubenville". (KK-VA)

UN-IDEN

730 ?? ??? 5/30/2011 0355-0505 Mixing w/ other talk. Typical ESPN radio programming. "You're listening to ESPN radio Danville... espninva dot com...". Is this WMNA in Greta, VA with a format change? Greta is not too far from Danville, Roanoke, Bedford and Lynchburg (stations listed at espninva.com) (KK-VA)

Thanks to Kraig....again fresh 6-25 0815

DX WORLDWIDE – II

Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115

E-mail: bportzer@comcast.net

All times UTC unless noted otherwise

WESTERN HEMISPHERE

ANGUILLA: 1610 The Caribbean Beacon, The Valley: University Network 1600-1000 daily (WRTH A-11 Update via Arctic)

ARGENTINA: 1620 R. Sentir a new station "no oficial" from Merlo, Provincia de Buenos Aires 1650 LRI227 R. Antares "La radio de la Familia" is reported active.
 1700 R. Fantástico (ref. SAND 6.12.2010) Web: www.fantasticodeonce.com
 1710 AM 1710 Urquiza – new station from Villa Urquiza. Web: www.am1710.com (Arctic)

Radio Andina is yet another unlicensed station crowding the Argentine AM dial on the frequency of 580 kHz. Radio Andina is run by Medios Andinos S.A., which in turn is owned by Omar Rubén Alvarez who owns a bunch of other media outlets in the country and is close to the national government. Radio Andina can be contacted by writing to Calle Comandante Salas 200, Ciudad de San Rafael, Provincia de Mendoza, Argentina, or by calling at telephone +54 2627 42-4265. The station was first reported by Marcelo A. Cornachioni. (DXing.info (12/5-2011))

COLOMBIA: 1120 HJGH La W, Bucaramanga, ex Bésame AM, ex Oxígeno – info from an advertisement sent in by Rafael Rodríguez

1150 HJGJ La W, Duitama, ex JB Radio
 1250 HJHS La W, Cúcuta, ex R. Reloj (Henrik Klemetz, Arctic)

COSTA RICA: 530 R. Sinfonola, Cartago just on FM now, FM 90.3
 800 R. Gigante, 3 kW

1220 R. Fe y Poder, Limón. Web: www.radiofeypoder.com
 1580 R. Cultural Pérez Zeledón just on FM now
 1580 R. Cultural de Tilarán just on FM now
 1600 R. Quepos, ex R. Más. Web: www.radioquepos.com (Christer Brunström WRTH via Arctic)

DOMINICAN REPUBLIC: 1640 HIC80 Radio Juventus Don Bosco active again. Address: C / Juan Evangelista Jiménez #49, María Auxiliadora, Santo Domingo. Tel (809) 538-6145. (INDOTEL via Mauricio Molano, mwcircle via Arctic)

ECUADOR: 1280 Radio Universitaria, Quito, Universidad Central del Ecuador, Avenida América, Ciudadela Universitaria, Quito. The station started transmissions on March 17 and will be conducting test transmissions for three months for technical adjustments. Besides this no information is available about this station. (Christer Brunström, WRTH via Arctic)

EL SALVADOR: 700 R. Cadena Mi Gente, San Salvador 1200-0400

950 R. Chaparrastique, San Miguel ex 1130
 1100 R. Don Bosco (name modified)
 1180 R. VEA, San Salvador: 1200-2400. Address: Calle 5 de Noviembre y final 6 Av. Norte, Frente a Banco de Familia, San Salvador. Web: www.lacapilla.org.sv
 1390 R. Fraternidad de Jesucristo, Chalchuapa. Address: Calle al trapiche, Chalchuapa, Santa Ana.

Also, uncertain information about

720 R. Tu Sonido Virtual, Cuscatlán
 990 R. El Salvador por Cristo, San Salvador

A religious organization claims it broadcasts via those stations, but information like this is notoriously unreliable. (Christer Brunström, WRTH)

GREENLAND: All MW transmitters were to be closed on 11 Feb, but this did not actually happen. 720 has been heard after that and is now confirmed to be closing on 11 May. The others will be closed as it fits the planning of TELE Grönland and weather permitting. (Stig Hartvig Nielsen, MWDX 6.4.2011)

GUYANA: NCN is operating on 560 kHz with 7 kW and 3290 kHz with 5 kW from Vreed en Hoop a few km west of Georgetown. 700, 760 and 5950 kHz are inactive. (WRTH Updater)

HONDURAS: 840 La Voz Evangélica de Honduras, Tela (relay 1390 kHz)

990 R. La Voz de Jesús, ex. R. Vida Cristiana
 1370 R. Regional de Tacoa, Tacoa, Colón
 1430 La Voz Evangélica de Honduras, Puerto Cortés (relay 1390 kHz), ex R. Shekina
 1460 R. Reino, San Pedro Sula. Ex R. Conga. Belongs to Misión Cristiana Internacional El Shaddai.

1490 R. Así se informa, La Unión, Olancho
 1530 La Guarachera, ex. Super Q

La Voz Evangélica de Honduras now has a large number of stations on medium wave. Short wave 4820 seems to be omitted entirely. (Christer Brunström, WRTH via Arctic)

PERU: Radio Onda Cero from the Peruvian Andes surprised European DXers by appearing on the extended AM band in April. Radio Onda Cero has been heard on 1640 kHz, broadcasting from the village of Chamaca, Chumbivilcas Province, in the Department of Cusco. The station was first heard by Torolf Johnsson in Sweden, and much of the information on its identity was discovered by Henrik Klemetz. Confirmations of reception have been received from David Torres Boza who explains that Chamaca is a village of 500 people at an altitude of 3800 meters. This independent station is not part of the Peruvian Onda Cero network. (DXing.info (12/5-2011))

VENEZUELA: From a reliable source in Venezuela, I have been informed that the following stations in Carabobo state are not active, by decision of CONATEL:

810 kHz YLPV Super Radio 810 (Valencia)
850 kHz YVRV Radio Valencia 850 (Valencia)
1430 kHz YVNB Radio Satellite 14-30 (Guacara) --> see below
1470 kHz YVJW CNB 14-70 La Valenciana (Valencia) --> see below
1510 kHz Informativa LV del Centro

On the other hand, my source confirms the following stations to be operational in Carabobo state:

770 kHz YVKK RNV Canal informativo (Valencia) <http://www.rnv.gov.ve/>
890 kHz YVLW Radio América (Valencia) <http://www.america890.net/>
1040 kHz YVLB La Voz de Carabobo (Valencia) <http://es.justin.tv/lavoz1040>
1110 kHz YVRX Deportes Union Radio (Valencia) <http://www.deportesunionradio.com/>
1220 kHz YVVM Radio Venezuela (Valencia) <http://www.radiovenezuela.com.ve/>
1290 kHz YVLF Radio Puerto Cabello (Puerto Cabello) <http://www.radiopuertocabello.com/>
1430 kHz Llanerisima (Guacara)
1470 kHz Union Radio Cultural (Valencia)
(Günter Lorenz, mwc 9 June)

ASIA AND PACIFIC

AUSTRALIA: Ozy Music Radio 3210 & 5050, Schofields NSW. As per an e-mail from Craig Allen, the station owner, plans to go off air for six months or so to relocate the transmitters. The silent period will commence at the end of June. New location believed to be closer to Penrith (Wayne Bastow, John Wright & Phil Ireland, June Australian DX News via DXLD)

1638 Brisbane no longer carries "The Goanna", but is a Chinese language program (not the same as 1647). Signal level has not changed so believe this to still be the Brisbane TXer site. (Merv Joyce, mwoz, 7 May)

CHINA: Zhengzhou PBS Women's Sce transmits on 792 kHz in parallel with FM 88.9 MHz. (WRTH Updater)

INDIA: Websites of Regional AIR Stations (updated 2nd May 2011)

All India Radio - Agartala (Tripura) www.airagartala.org
All India Radio - Ahmedabad(Gujarat) www.airahmedabad.in
All India Radio - Allahabad (UP) <http://air.iiita.ac.in/>
All India Radio - Aizawl : <http://airaizawl.in>
All India Radio - Bhanuipatna(Orissa) www.airbpn.org
All India Radio - Cuttack www.aircuttack.com (ex www.airctc.com)
All India Radio - Haflong <http://www.airhaflong.org>
All India Radio - Imphal (Manipur) http://cicmanipur.nic.in/html/air_imp.htm
All India Radio - Jhansi (UP) www.airjhansi.com (Domain expired)
All India Radio - Jaipur (Rajasthan) www.airjaipur.com
All India Radio - HPT Malad, Mumbai www.airhptmalad.org.in/ (ex www.airhptmalad.com)
All India Radio - Panaji (Goa) www.airpanaji.gov.in
All India Radio - Rohtak (Haryana) www.rohtakakashvani.com (Domain expired)
All India Radio - Rampur (UP) <http://rampur.nic.in/air.htm>
All India Radio - Shillong www.airshillong.org
All India Radio - Thiruvananthapuram www.airtvm.com
All India Radio - Kolkata (Unofficial) www.freewebs.com/airkolkata/
(Compiled by Alokesh Gupta & Jose Jacob)

NEW ZEALAND: NZ AM Update: 1179 RadioWorks, Wanaka. License renewed for 20 years. 1242 1XX OneDoubleX, Murupara. The 100w relay has been closed down and the license abandoned.

1512 TRN, Taumarunui. License renewed for 20 years.

1530 The Wireless Station, Napier-Hastings has returned here following the move by Coast.

Programs automated 1950's standards music, 24h. Address: PO Box 8947, Havelock North.

Transmitter co-sited at Whakatu Junction with Radio Kidnappers 1431.

1539 Classic Hits Marlborough, Picton now here, 400w. Moved from 1584.

1566 RadioWorks, Wellington [Horokiwi]. License renewed for 20 years.

1575 OAR 105.4FM, Dunedin is new brand name for Otago Access Radio [formerly Toroa Radio and Hills AM] and 24h relay of new FM outlet. New Website: www.oar.org.nz Email: admin@oar.org.nz

1584 Coast, Napier-Hastings has relocated to Papakowhai site and moved here from 1530. Coverage is significantly extended according to TRN.

A number of silent AM licences have been abandoned including 855 Christchurch [earthquake damaged site], 864 Kapiti, 1170, Te Kuiti, 1170 Invercargill, 1251 Taupo, 1269 Tauranga, 1485 Twizel, and 1521 Reefton. This leaves only the three licenced locations listed earlier to activate. (David Ricquish, 22 May)

NORTHERN MARIANA ISLANDS: New station KKMP-1440.04 in Garapan noted by Japanese DXer Shinya Hasegawa on 6 June with Island music and ID. The station's website <http://cnmiradio.com/> says it has been on the air since December 9. (RealDX YG)

SRI LANKA: Deutsche Welle plans to close the MW/SW site at Trincomalee as part of a major cutback in service. The relay stations will stop being used on November 1, 2011 and closed at the next possible point in time. (various sources)

SLBC has stopped operation in Irattaperiyakulam on 855 kHz. (WRTH Updater)

TAIWAN: Beginning May 15th, 2011 Foundation For Democracy Of Vietnam will broadcast a daily program from 1430UTC to 1500UTC on 1503khz. This time slot had been used by the BBC Vietnamese Service until it was vacated because of the restructuring measures that have been taken by the BBC World Service. The 600kw transmitter and directional antenna azimuth of 247deg is located in Fangliao, South Taiwan (Pingtung County). This site is also used by Radio France International in Khmer, Radio Chan Troi Moi (New Horizon Radio) in Vietnamese, Family Radio in Vietnamese, Thai, Burmese and English. This relay was arranged by Jeff White at WRMI (Radio Miami International) and Keith Perron at PCJ Radio. (DXLD)

EUROPE, AFRICA, AND MIDDLE EAST

DENMARK: Today the Danish national public service radio station DR has reactivated long wave 243 kHz using a brand new Nautel 50 kW sender from the current transmitter site in Kalundborg on the western part of Sealand (Sjælland), Denmark. Broadcasting on medium wave 1062 kHz (250 kW) will cease on Monday June 27 2011. From today and until Monday the programs will be simulcast on the two frequencies. Broadcasting hours remain the same. Cf. WRTH or Euro-African MW Guide for details. The use of 243 kHz with 300 kW was ended in February 2007, but after Turkey left the channel in October 2008, DR is the only radio station on this channel. Thus it is estimated that the coverage will be pretty good on 243 although the power utilized is only 50 kW. Full story (in Danish) here: <http://www.radionyt.com/artikel/default.asp?id=18515> (Stig Hartvig Nielsen, mwc 16 June)

FINLAND: 558 - The Helsinki transmitter has been on the air during a few days. Digita OY in Finland has got permission to test until May 31st, 2011. Power is 20 kW. The tests seem to be during daytime and have not been audible in Växjö, but heard by TK and MR in Finland. (24.5.2011 Bengt Ericson) 963 - The lease of the Pori transmitter by China Radio International is valid until 30.06.2013. (24.5.2011 Ficora, FIN) (Both items via Arctic)

ISRAEL: Kol Israel B channel from Acre is now on 1206 kHz 10 kW, ex 927 kHz 50 kW and Acre Arabic channel is on 738 kHz 10 kW, ex 1206 kHz 50 kW. Eilat 927 kHz has been closed. Yavne Arabic channel on 1080 kHz will be upgraded to 100 kW. (Info from WRTH Update 2 May via Arctic.)

ITALY: For about 3 weeks or so I can hear this: 1233.15 Media Veneto (Italy) - oldies and rare IDs cca once in 15 minutes = ID after every 5th song - it looks like that. A female voice gives an ID and frequency. I have not seen this station mentioned yet. What do our friends in Italy say? (Karel Honzik, CZE via mwcircle yg (14/6-2011))

This is a test from Media Veneta Broadcast, from north east of Italy. There has been other tests from Radio Poggio Lupio 1503 kHz and Radio Gold Italia 1593 kHz, both from Sicily. I've never received them! :- (Leonardo via mwcircle yg (14/6-2011) via mediumwave.info)

As of Friday June 10, 2011, European Gospel radio via IRRS-Shortwave will be on the air daily with a live program on 7290 kHz to Europe, North Africa and the Middle East from 18:00-20:00 CET. Our programs can also be heard daily on our new AM/Medium Wave frequencies: on 1368 kHz from Padua (Padova, North East Italy), and locally in Rome on 1566 kHz. We will be broadcasting daily on these Medium Wave frequencies from 17:00-00:00 UTC, i.e. from 19:00-02:00 CET. Reception on 1368 kHz during darkness has been reported within a radius of approximately 700 km from Padua, i.e. in northern Italy, southern France, Austria, Southern Germany, Croatia, Slovenia, and under DX conditions also from Denmark, Sweden and Norway. We will also be streaming live 24/7 at <http://www.egradio.org> or <http://mp3.nexus.org> Our schedules are online at <http://www.nexus.org/schedules> As always we welcome your comments on our programming, as well as your reception reports. You write us or to our program producers to the addresses mentioned on the air, or at: reports (at) nexus (dot) org Thank you and stay tuned! (Ron Norton, Radio Activity via Alokesh Gupta via Mike Terry, dxld yg (10/6-2011) via mediumwave.info)

LIBYA: MW situation: 675, 1125 and 1449 kHz are controlled by the Libyan opposition and identify as Radio or Voice of Free Libya, all with different programming. 1449 kHz is in Misrata, not Al-Assah. 711 kHz is in Al-Assah and transmits irregularly Vo Africa and other programming in parallel with 1251 kHz, which is running on low power. 972 and 1053 kHz are on the air, both carrying own programming. All other MW transmitters are off the air. Benghazi 675 kHz station has also web site at: voicefreeLibya.blogspot.com . (WRTH Updater) (given the dynamic situation in Libya, this information may be out of date, or at least subject to change. bp)

LUXEMBOURG: Marnach 1440 kHz will apparently go dark before long: <http://www.wort.lu/wort/web/letzebuerg/artikel/2011/06/153563/hat-marnacher-sendeanlage-bald-ausgestrahlt.php> Gist: The transmitter violates the field strength limits (no surprise when churning out 600 kW just 130 meters away from the next buildings). BCE indicates that they intend to close it "in the foreseeable future", plans to build a new site as replacement have been terminated. Still it is planned to provide another prolongation of the operation permit that expires on Oct 3, but activists demand to no longer tolerate too high field strengths after this deadline. The current Marnach transmission equipment: http://www.transradio.de/index.php?option=com_content&view=article&id=118&Itemid=105&lang=en Somehow I now can't help but wonder if it would be realistic for "Radio86" to obtain a German broadcasting license (Kai Ludwig, dxlg yg, 21 June)

NETHERLANDS: 1008 - Dutch Christian broadcaster GrootNieuwsRadio has replaced its transmitter. This has improved the audio quality on 1008 kHz. Together with a panel of listeners the station has tested different settings of the AM transmitter, and the result is better sound quality. The CEO of GrootNieuws Radio Nico Schipper says: "The range and quality of the signal have improved. That means our listeners in the Netherlands and Belgium can properly receive us, and the audio is a lot more pleasant to listen to". The station says that the commissioning of a more modern transmitter is one step in improving the quality of what it offers. It says it's also investing to improve the quality of the programming. (Source: GrootNieuwsRadio) (May 18th, 2011, by Andy Sennitt, RNMW)

1602 - The radio ship Jenni Baynton, home to Dutch commercial stations Radio Waddenzee/Radio Seagull, is being equipped with an additional more powerful transmitter. Besides the existing Redyvon 1 kW and 2 kW RCA reserve transmitters, the arsenal on board will soon be expanded with a 15 kW medium wave transmitter. This transmitter is a very special, because it is a replica of the Continental Electronics transmitter on board the legendary radio ship MV Mi Amigo. The 50 kW capacity of the original transmitter is too much for the Jenni Baynton, but with 15 kW the available transmission power of the vessel is increased substantially. Because the Jenni Baynton regularly receives requests to be borrowed as a temporary solution for stations with transmitter problems, the owners decided that the available capacity needed to be extended. The requests usually come from stations that need more power than the current stations on the shipman provide. With the new purchase, it's hoped that there will be more opportunities to provide and operate the radio ship for other broadcasters. (Source: Radio Waddenzee) Andy Sennitt adds: The new transmitter will not be used for regular programmes of Radio Wadden-zee/Radio Seagull, as the license for 1602kHz restricts the power to 1 kW. However, the radio ship is only used for a few weeks every year, as the main transmitter is land-based. That means the radio ship could be used simultaneously in another location, on a different frequency. (May 18th, 2011, RNMW via Arctic)

Dutch-based KBC Radio, which was involved in the ill-fated attempts by UK broadcaster Big L to get a commercially viable medium wave signal into the UK from a Dutch transmitter at Trintelhaven on 1395 kHz, is planning test transmissions under its own name. An announcement on its website says: "We are waiting for a test license. The reason that we are gonna test is to see if the signal is doing anything during the nightly hours. The test is on AM and not on SW. SW is always possible, but it's not our first priority." The location and frequency of the AM transmitter in question will be revealed when the license is received. In the meantime KBC continues to support Big L, which is currently online only. (KBC Radio via Andy Sennitt, RN Media Network 20.4.2011)

NORWAY: Eivind Motland reports: Norwegian public broadcaster NRK will cease broadcasts on 630 kHz from the Vigra medium wave transmitter on 30 June. The purpose of keeping it on the air simply isn't there anymore, as it primarily is targeted towards the fishing fleet to let them get the weather reports. Today NRK broadcasts weather forecasts on dedicated channels on satellite and DAB. The 630 kHz antenna mast is 220 meters high and located near the airport at Vigra. Avinor, the operator of the airport, states that the mast is a danger to air traffic and wants it removed. Avinor and transmitter operator Norkring have agreed that the site will be dismantled after the radio broadcasts cease. The dismantling process is expected to finish by the end of this year. The Vigra transmitter site started transmissions as early as 1935. The medium wave transmitter at RÅst on 675 kHz will also cease broadcasting on 31 December 2012. This transmitter took over from the BodÅ transmitter in 1999. It has not been decided what will happen with the site afterwards. There are no plans to stop broadcasts from the IngÅy longwave transmitter on 153 kHz or the Svalbard [Spitsbergen] medium wave transmitter on 1485 kHz, simply because receiving satellite signals in the northern areas is difficult. (Eivind Motland, NRK, Via R Netherlands Media Network weblog 15 June)

IRCA TECHNICAL COLUMN

Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6
E-mail: nhp@ieee.org

Technical Review: CCrane CCRadio-EP AM/FM Analog Portable Radio

by Steve Ratzlaff



I recently looked at Jay Allen's (of RadioIntel) new webpage <http://radiojayallen.com/>, and read his review of the new C.Crane CCRadio-EP AM/FM analog portable radio. I was intrigued by the mention of it using the "Twin Coil Ferrite Antenna" along with Jay's picture showing the internal loopstick with 4 coils on it. So, I bought a \$10-off "orphan" from C.Crane and have taken it apart and now have a good idea of its operation. (Jay did a much more extensive operating review than I will present here, and I recommend you read that.)

I first tried it out for AM reception, outdoors. I have an old GE SuperRadio II and a Panasonic RF-2200 that both have larger loopsticks, as well as a Tecsun PL-380 ULR that I've modified with an external Amidon 7.5" MW loopstick. My sensitivity tests used just the modified PL-380 compared to the EP radio as I've found the modified PL-380 is the winner for weak signal sensitivity (barely) when tested against the other radios. I live in a rural area with no strong MW stations nearby--my tests are mostly limited to weak signal sensitivity and selectivity. The EP radio acquitted itself very well, though it couldn't hear some very weak stations next to stronger ones that the PL-380 could, possibly due to the narrower bandwidth filter selection in the PL-380, which I keep set at the minimum nominal 2 kHz setting.

Technical Details I'm more of a technical geek than a MW DXer and I primarily bought the EP radio to try to learn something about its internal design, especially as related to CCrane's statement that it uses the "Twin Coil Ferrite Antenna" as well as the special fine-tuning control.

The EP is a full-size analog portable radio with a nice 5 inch speaker; it uses four D cells. As such it is similar to the old GE SuperRadio as it also has no digital tuning display. The EP radio has a full-size 200 mm ferrite rod loopstick. The Litz wire used on the EP radio's loopstick appears to be decent. It's quite fat in diameter compared to the usual tiny Litz found on the usual portable radio loopsticks. Purely guessing, but I'd guess the EP loopstick Litz is something like 100/46, perhaps larger. (100 insulated strands of #46 gauge)

Twin connections for an external AM antenna (antenna and ground) as well as an F connector for an external FM antenna are offered. A switch disconnects the internal AM loopstick for use of an external AM antenna. Two separate AM filters can be selected with the front panel switch, "Music" and "Voice". These are 455 kHz 6 element "LTM455W" type small ceramic filters. The music filter is an "F" type, which is +/- 6 kHz bandwidth (12 kHz); the voice filter is an "I" type, with +/- 2 kHz bandwidth (4 kHz). There are separate treble and bass controls. On the side of the radio are the Tuning and Volume knobs, but in the middle is a new control, which C.Crane has labeled "Twin Coil Ferrite AM Fine Tuning". In their catalog they describe this as:

"for the very weak AM stations, reception can sometimes be fine-tuned with manual adjustment of our built-in "Twin-Coil Ferrite Antenna". However, you do not have to adjust the TCF Knob to receive outstanding AM performance."

This is a control that can be turned counterclockwise a half turn and clockwise a half turn, with a center detent position labeled "Normal Position".

AM and FM Mono or FM Stereo can be selected; the headphone jack is stereo. A sliderule type tuning display is used with a vertical pointer that moves, and a bright LED backlight can be turned on if needed (and left on--there's a separate switch that turns it on and off).

I was eventually able to learn quite a bit about the internal design. "Redsun" is marked on the printed circuit board, so it appears Redsun builds this radio for C.Crane, or at least designed it. (Most of my exploration was to learn about the AM section.) As C.Crane's literature mentions, it's a single-conversion superhet with 455 kHz IF. It's a TRF type, with the loopstick tuned by a varactor, going to a dual gate MOSFET RF amplifier. The external AM antenna input is untuned but has a separate dual gate MOSFET RF amplifier. An antenna switch electronically selects the

desired AM antenna input and turns on the appropriate RF amplifier. The outputs are similarly selected and sent to a varactor-tuned RF transformer. The signal is then sent to a dedicated Sanyo LA1260 IC which has combined AM and FM internal circuits--RF, oscillator, mixer, IF and detector stages, separate for AM and FM. (You can find the datasheet for this IC on the internet, e.g. <http://www.alldatasheet.com/datasheet-pdf/pdf/39981/SANYO/LA1260.html>) The detected output is sent to a stereo preamp/power amp IC which had a metal heat sink over it--I wasn't able to learn what type that IC was. As mentioned, a 5 inch 8 ohm speaker gives good sound, or stereo headphones can be used to get dual channel Stereo FM.

One interesting thing about the EP is there is no traditional mechanical variable tuning capacitor--everything is done with varactor diodes. The Tune knob is a pot which controls the tuning voltage going to the varactors. There are 3 varactors for the AM section--two for signal tuned circuits and one for the local oscillator. (The FM input section is enclosed under a shield--I couldn't tell anything about it without removing the shield which I didn't do.)

Jay commented to me that many people have said the EP radio is just about worthless in an urban environment that has strong MW signals. I wasn't aware of that until he mentioned it because my own location is rural with no local stations. He asked me why the EP overloaded so badly, if it has a traditional TRF front end. At first I didn't know; the TRF section feeds the Sanyo IC, and its input is varactor-tuned just like the first input from the loopstick is varactor-tuned. However, the Sanyo IC has its own RF amplifier, and perhaps it was a mistake to have dual RF amps without adding an aggressive AGC system to them. Also these are single varactors, not "back-to-back" ones, and presumably have relatively low tuning voltages. A strong local signal may generate voltages in excess of the tuning voltage in a parallel tuned circuit, with unpredictable results. Maybe the designers should have included a mechanical attenuator like some portable radios have--a simple slide switch to knock down the signal before it reaches the active components in the circuit and causes overload.

Now for the special "twin coil ferrite AM fine tuning" control. I was eventually able to trace enough of the circuit and figure out that this is connected to the two signal tuned circuits varactors and indeed gives a fine tuning control separate and independent from the normal tuning voltage from the Tune knob. Contrary to what C.Crane states, it tunes both the loopstick/RF amp input but also tunes a transformer going to the RF input stage of the LA1260 IC. My guess is that since it's difficult to get correct tracking over the entire MW tuning range when using varactors (due to the difficulty of precisely matching them), this control was added to be able to peak the signal no matter where the radio is tuned. In my outdoor listening tests, it was definitely needed below about 1000 kHz; with hardly any effect noted above that where it could then be left in the center-detent "normal" position.

Another variance with what C.Crane says about the radio is the loopstick. It is not a "twin-coil" loopstick. It's just a traditional tuned single-coil unbalanced loopstick feeding the following RF amp. In fact one end of the loopstick is grounded directly to the PCB groundplane. A real "twin-coil" type of loopstick such as is used in the C.Crane patented "Twin-Coil Ferrite AM Antenna" uses two isolated coils, one on each side of the loopstick, fed to a metal can slug-tuned RF transformer where they are combined in series, with the output of the transformer then going to an RF amp. The EP radio does have what appear to be four separate coils, but they are simply one continuous coil that's been separated into four sections and spaced out over the loopstick instead of the traditional single coil centered in the middle (or sometimes offset) of the loopstick. The latest Tecsun pocket radios such as the PL-606 are also using a similar loopstick, with the single coil separated into three sections and spaced over the loopstick. Apparently this is supposed to do something useful, but my own experiments show no difference in AM sensitivity over the full tuning range whether it's a traditional no-space coil or spaced-out in sections like the EP and newer Tecsun ULRs use on the loopstick. But at any rate the loopstick in the EP is not a "twin coil" even though it's a full-size 200 mm rod and does a good job and provides good sensitivity. (My EP loopstick measured 272 uH, since I unsoldered it and measured it.)

I like the EP--being a purely analog radio it doesn't suffer from all the various beeps and squawks and spurious sounds that you hear with the Tecsun ULR DSP radios that I've been using lately. It's a fullsize portable radio that should give long life from its D cells, especially if you listen with headphones. Its sensitivity was close to my best MW radio, with its large 200 mm loopstick. I can't comment on how well the FM compares to other radios; I don't spend much if any time in FM mode when using portable radios. If you can do without a digital display, and don't have strong locals, then I think you too would be happy with this radio. And I think it could also be considered a worthy successor to the discontinued GE SuperRadio.

2010-2011 IRCA Magic Seven DX CONTEST

Manager: Nancy Johnson – 265 Waterton Way – Billings MT 59102-7755

E-mail: NancyJohnson@prodigy.net

June 15, 2011 - Final Contest Standings

1. Garry Stoklas 36
2. Tim Noonan 31
3. Nancy Johnson* 10
4. Richard Bradley 8
5. John C. Johnson 1

*Contest manager is not eligible to win.

Congratulations go to Garry, winner of the 2010-2011 Magic Seven DX Contest! Thank you to all who entered the contest this season. Details of the 2011-2012 contest should appear in the August DXM. Have a great summer!

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from November through March, twice monthly from April to November) and in printed form 30 times a year (weekly November through March, monthly April to November). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



CLUB OFFICERS AND CONTACT INFORMATION

President: Lee Freshwater – 414 SE 3rd St, Ocala FL 34471
e-mail: ircapres@yahoo.com (proposals/gripes)

Secretary-Treasurer: Lynn Hollerman, PO Box 60241, Lafayette LA 70596
e-mail: lynnhollerman@yahoo.com – (dues, address changes, IRCA mailing list sign-ups)

Board of Directors: Phil Bytheway – phil_tekno@yahoo.com (Chairman),
Craig Healy – craig@craighealy.com, John C Johnson – John_Johnson@prodigy.net,
Patrick Martin – mwdxer@webtv.net, Bruce Portzer – bpportzer@comcast.net,
Mike Sanburn – mikesanburn@hotmail.com and Robert Wien – wienbob@aol.com

Publishing Committee: Editor-in-Chief: Eric Bueneman, 631 Coachway Lane, Hazelwood MO 63042-1347, e-mail: n0uiheric@aol.com – (all material for publication goes here), **Lee Freshwater**, HDXM Publisher

MEMBERSHIP DUES (DXM=printed DX Monitor, SDXM=soft e-mailed version)

Destination	SDXM	DXM	DXM+SDXM
USA	\$10	\$31	\$36
Canada & Mexico (group 2)	\$10	\$40	\$45
Western Europe (group 3)	\$10	\$52	\$57
Australia/NZ/Japan (group 4)	\$10	\$52	\$57
Rest of world (group 5)	\$10	\$52	\$57

TRIAL MEMBERSHIP (10 issues) TO USA-CANADA-MEXICO only: \$10 DXM, \$12 DXM / SDXM Installment Rate: 2 payments a year of one-half dues plus \$1.

Make checks and Money Orders in US funds payable to IRCA.

All dues and address changes go to: **IRCA, PO Box 60241, Lafayette LA 70596**

Pay electronically with **PayPal** – add \$1 to all prices above. Go to www.paypal.com, then send your dues to ircamember@ircaonline.org – contact Lynn Hollerman for more information.

Sample copies of DX Monitor are available. Along with your request, please include first class postage of: **42c** for USA addresses, **69c** for Canada and Mexico or **2-International Reply Coupons** each, for other countries. Send to: **IRCA, 414 SE 3rd St, Ocala FL 34471.** (Maximum two samples per year.)

For information on **subscribing to the IRCA mailing list** at Hard-Core-DX, a group e-mail service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in **DX Monitor** provided credit is given to the IRCA and permission is obtained from the original contributor. Opinions in **DX Monitor** are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers.

©2011 International Radio Club of America

THE INTERNATIONAL RADIO CLUB OF AMERICA
 PO Box 60241, Lafayette LA 70596
<http://www.ircaonline.org>